

ABSTRACT

A sewing machine ~~comprises—includes an arm—including~~ a vertical portion and a horizontal portion of an arm having at least one sewing needle mounted thereon, a bed extending in parallel to ~~the horizontal portion and~~ under the horizontal portion of the arm, two first rails extending in ~~parallel~~parallel to the bed in the neighborhood of the side portion of the vertical portion ~~of the arm~~, first carriages adapted to slide on the first rails, ~~respectively~~, and a second rail connected to the first carriages and perpendicular to the first rails, wherein the distance between the two first rails is shorter ~~than or~~ equal to the length of the second rail, ~~the rail~~. The sewing machine ~~further comprising—includes~~ a second carriage adapted to slide on the second rail, and an embroidery frame unit mounted on the second carriage ~~on the side portion of the second rail located far from the vertical portion of the arm~~, wherein the first carriages are located on one side of the second rail, and the embroidery frame unit is located on the other side of the second rail. ~~The~~ sewing machine is ~~thus capable~~capable of embroidery without being limited by the distance between the rails.